

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## FILING COMPLETION UNDER RULE 53(f)

Exhibit B

( NOT PCT Applications)

For Design, Provisional, or Utility Applications

PATENT  
APPLICATIONCOMPLETION Under  
Rule 53(f)

Attn: Application Division

In re PATENT APPLICATION of

Inventor(s): MODELSKI, et al.

Appln. No.:

09

741,856

Atty.Dkt.

P

270183

NOR-13175BA

Series Code

Serial No.

M#

Client Ref

Filed: December 22, 2000

Title: METHOD AND APPARATUS FOR PERFORMING FILTER OPERATIONS ON DATA PACKETS USING AN INSTRUCTION

Hon. Commissioner of Patents  
Washington, DC 20231

Date: April 19, 2001

Sir:

The following completes the filing under Rule 53(f) of the above-identified patent application:

1. **Notice to File Missing Parts** ☒ copy attached ☐ not yet received
2. ☒ Signed Declaration attached. ☒ Original ☐ Facsimile/Copy

(Always "X" box 2 if filing signed Declaration and

"X" box 2A only if top box of the Declaration is X'd and file application copy, or"X" box 2B only if none of the top three boxes of the Declaration is X'd.)

2A. ☐ Attached: Original signed Declaration with attached specification (including claim(s)) which is a copy of specification and claim(s) originally filed to secure the above filing date.

2B. ☒ The original application as filed in the PTO on the above filing date is the application which each inventor executed by signing the attached Rule 63 Declaration.

3. ☐ Specification originally filed in non-English language; hence verified translation attached of:

a. ☐ Abstractb. #  pages of Specification (only spec. & claims)c. ☐ Drawing(s)

No of Sheets

☐ Fig(s).

4. ☐ Letter filing formal drawing attached.

5. ☒ Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.

6. DOMESTIC/INTERNATIONAL priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

| Application No. | Filing Date | Application No. | Filing Date |
|-----------------|-------------|-----------------|-------------|
| (1)             |             | (2)             |             |
| (3)             |             | (4)             |             |
| (5)             |             | (6)             |             |

7. FOREIGN priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in \_\_\_\_\_

| Application No. | Filing Date | Application No. | Filing Date |
|-----------------|-------------|-----------------|-------------|
| (1)             |             | (2)             |             |
| (3)             |             | (4)             |             |
| (5)             |             | (6)             |             |

9. \_\_\_\_\_ (No.) Certified copy (copies): \_\_\_\_\_ ☐ attached; ☐ previously filed (date) \_\_\_\_\_  
in U.S. Application No. \_\_\_\_\_ / \_\_\_\_\_ filed on \_\_\_\_\_
10. Small Entity Status ☐ ☒ is Not claimed ☐ is claimed (file PAT-256 if this is the first claim of Small Entity Status)
11. ☐ Attached:
12. ☐ Preliminary Amendment:

**THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED**

|  |    |            |    | Large/Small Entity |                | Fee Code |
|--|----|------------|----|--------------------|----------------|----------|
| 13. Basic Filing Fee . . . . . Design Application  |    |            |    | \$320/\$160        |                | 106/26   |
| . . . . . Not Design Application   |    |            |    | \$710/\$355        | +710           | 101/201  |
| 14. Total Effective Claims   | 39 | minus 20 = | 19 | x \$18/\$9         | +342           | 103/203  |
| 15. Independent Claims   | 3  | minus 3 =  | 0  | x \$80/\$40        | +0             | 102/202  |
| 16. If <u>any proper</u> multiple dependent claim (ignore improper) is present, (Leave this line blank if this is a reissue application) |    |            |    | \$270/\$135        | +0             | 104/204  |
| 17. Surcharge for filing Declaration/filing fee late   |    |            |    | \$130/\$65         | +130           | 105/205  |
| FILING FEE ENCLOSED =  |    |            |    |                    | \$1182         |          |
| 18.  |    |            |    |                    |                |          |
| 19. Original due date: April 28, 2001  |    |            |    |                    |                |          |
| 20. Petition is hereby made to extend the original due date to   |    |            |    | (1 mo)             | \$110/\$55 =   | +0       |
| cover the date this response is filed for which the requisite fee  |    |            |    | (2mos)             | \$390/\$195 =  | 115/215  |
| is attached  |    |            |    | (3mos)             | \$890/\$445 =  | 116/216  |
|  |    |            |    | (4mos)             | \$1390/\$695 = | 117/217  |
|  |    |            |    |                    |                | 118/218  |
| 21. If "non-English" box 3 is X'd, add Rule 17(k) processing fee . . . . .   |    |            |    | \$130              | +0             | 139      |
| 22. If "assignment" box 5 is X'd, add recording fee. . . . .   |    |            |    | \$40               | +40            | 581      |
| 23. Petition Fee for   |    |            |    | \$130              | +0             |          |
| TOTAL FEE ENCLOSED =   |    |            |    |                    | \$1222         |          |

24.

Our Deposit Account No. 03-3975  
Our Order No. 061473

270183

C#

M#

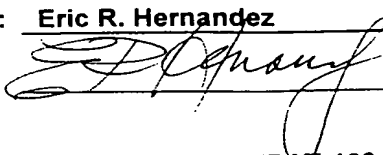
**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown in the heading hereof for which purpose a duplicate copy of this sheet is attached. This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.

**Pillsbury Winthrop LLP  
Intellectual Property Group**

1100 New York Avenue, NW  
Ninth Floor  
Washington, DC 20005-3918  
Tel: (202) 861-3000  
Atty/Sec: EH/srd

By Atty: Eric R. Hernandez

Sig:



Reg. No. 46471

Fax: (202) 822-0944  
Tel: (202) 861-3657

**NOTE: File in duplicate with PTO receipt (PAT-103A) and attachments**

FOR UTILITY/DESIGN  
CIP/PCT NATIONAL/PLANT  
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL  
DECLARATIONS

RULE 63 (37 C.F.R. 1.63)  
DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PW  
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED METHOD AND APPARATUS FOR PERFORMING FILTER OPERATIONS ON DATA PACKETS USING AN INSTRUCTION

the specification of which (CHECK applicable BOX(ES))  
X ☐ A. ☐ is attached hereto.  
BOX(ES) ☒ B. ☒ was filed on DECEMBER 22, 2000 as U.S. Application No. 09/741,856  
☒ C. ☐ was filed as PCT International Application No. PCT/            /            on             
and (if applicable to U.S. or PCT application) was amended on           

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

| PRIOR FOREIGN APPLICATION(S)        | Date first Laid-<br>open or Published | Date Patented<br>or Granted | Priority NOT Claimed |
|-------------------------------------|---------------------------------------|-----------------------------|----------------------|
| Number Country Day/MONTH/Year Filed |                                       |                             |                      |

If more prior foreign applications, X box at bottom and continue on attached page.

Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT International applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

| PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S) | Status                       | Priority NOT Claimed |
|--|------------------------------|----------------------|
| Application No. (series code/serial no.) Day/MONTH/Year Filed    | pending, abandoned, patented |                      |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, telephone number (202) 861-3000 (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 909 (see below label) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer No. names of persons no longer with their firm, to add new persons of their Firm to that Customer No., and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or an attorney of that Firm in writing to the contrary.



00909

(1) INVENTOR'S SIGNATURE:

*Richard P. Modelski*

Date:

*3/23/2001*

|                    |                       |                        |          |
|--------------------|-----------------------|------------------------|----------|
| Name               | Richard               | P.                     | MODELSKI |
| First              | Middle Initial        | Family Name            |          |
| Residence          | Hollis                | NH                     | USA      |
| City               | State/Foreign Country | Country of Citizenship |          |
| Mailing Address    | 600 Technology Park   |                        |          |
| (include Zip Code) | 01821                 |                        |          |

(2) INVENTOR'S SIGNATURE:

*Adrian Kristiansen*

Date:

*3/23/2001*

|                    |                       |                        |             |
|--------------------|-----------------------|------------------------|-------------|
| Name               | Adrian                | M.                     | KRISTIANSEN |
| First              | Middle Initial        | Family Name            |             |
| Residence          | Somerville            | MA                     | USA         |
| City               | State/Foreign Country | Country of Citizenship |             |
| Mailing Address    | 600 Technology Park   |                        |             |
| (include Zip Code) | 01821                 |                        |             |

☒ FOR ADDITIONAL INVENTORS see attached page.

☐ See additional foreign priorities on attached page (incorporated herein by reference).

Atty. Dkt. No. PW-270183  
(M#)

## DECLARATION AND POWER OF ATTORNEY

(continued)

## ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date: 3/26/2001

|                    |                       |                        |
|--------------------|-----------------------|------------------------|
| Michael            | J.                    | CRAREN                 |
| First              | Middle Initial        | Family Name            |
| Residence          | Holliston             | MA                     |
| City               | State/Foreign Country | Country of Citizenship |
| Mailing Address    | 600 Technology Park   |                        |
| (include Zip Code) | 01821                 |                        |

(4) INVENTOR'S SIGNATURE:

Date:

|                    |                        |                       |
|--------------------|------------------------|-----------------------|
| First              | Middle Initial         | Family Name           |
| Residence          | City                   | State/Foreign Country |
| Mailing Address    | Country of Citizenship |                       |
| (include Zip Code) |                        |                       |

(5) INVENTOR'S SIGNATURE:

Date:

|                    |                        |                       |
|--------------------|------------------------|-----------------------|
| First              | Middle Initial         | Family Name           |
| Residence          | City                   | State/Foreign Country |
| Mailing Address    | Country of Citizenship |                       |
| (include Zip Code) |                        |                       |

(6) INVENTOR'S SIGNATURE:

Date:

|                    |                        |                       |
|--------------------|------------------------|-----------------------|
| First              | Middle Initial         | Family Name           |
| Residence          | City                   | State/Foreign Country |
| Mailing Address    | Country of Citizenship |                       |
| (include Zip Code) |                        |                       |

(7) INVENTOR'S SIGNATURE:

Date:

|                    |                        |                       |
|--------------------|------------------------|-----------------------|
| First              | Middle Initial         | Family Name           |
| Residence          | City                   | State/Foreign Country |
| Mailing Address    | Country of Citizenship |                       |
| (include Zip Code) |                        |                       |

(8) INVENTOR'S SIGNATURE:

Date:

|                    |                        |                       |
|--------------------|------------------------|-----------------------|
| First              | Middle Initial         | Family Name           |
| Residence          | City                   | State/Foreign Country |
| Mailing Address    | Country of Citizenship |                       |
| (include Zip Code) |                        |                       |

(9) INVENTOR'S SIGNATURE:

Date:

|                    |                        |                       |
|--------------------|------------------------|-----------------------|
| First              | Middle Initial         | Family Name           |
| Residence          | City                   | State/Foreign Country |
| Mailing Address    | Country of Citizenship |                       |
| (include Zip Code) |                        |                       |

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. Richard P. MODELSKI
3. Michael J. CRAREN
- 5.

2. Adrian M. KRISTIANSEN  
4.  
6.  
8.

7. ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: NORTEL NETWORKS, LTD.

ADDRESS: World Trade Center of Montreal, 380 St. Antoine Street West, Montreal, Quebec, Canada H2Y 3Y4

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

### 3. NATURE OF CONVEYANCE (DOCUMENT):

**NATURE OF CONVEYANCE (DOCUMENT):**  
(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST  
☐ ORIGINAL ☐ FACSIMILE/PHOTOCOPY  
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION  
☐ SECURITY ☐ MERGER ☐ OTHER: \_\_\_\_\_

**EXEC. DATE:** 1. March 23, 2001; 2. March 23, 2001; 3. March 26, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) 1. March 23, 2001; 2. March 23, 2001; 3. March 26, 2001

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

| A. PAT. APP. NO.(S)<br>series code/serial no. | M#     | 1 <sup>st</sup> INVENTOR<br>if not in item 1 | B. PATENT NO(S) | M# | 1 <sup>st</sup> INVENTOR<br>if not in item 1 |
|---|--------|--|-----------------|----|--|
| 09/741,856                                    | 270183 |  |                 |    |  |

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

**Pillsbury Winthrop LLP**  
**Intellectual Property Group**  
 1100 New York Avenue, NW  
 Ninth Floor  
 Washington, DC 20005-3918

6. NUMBER INVOLVED:  
APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)  
ABOVE TOTAL x \$40 = \$40

|  |            |            |
|--|------------|------------|
| 8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE  |            |            |
| INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 |            |            |
| UNDER ORDER NO                                   | 061473     | 270183     |
| dup. sheet not required                          | CLIENT NO. | MATTER NO. |

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

3

Attorney: Eric R. Hernandez

Req. No. 47641

Atty/Sec: EH/srd

TEL: (202) 861-3657

Date: April 19, 2001

FAX: (202) 822-0944

**FILE WITH PTO RETURN RECEIPT (PAT-103A)**

Please return signed/recorded to:  
Pillsbury Winthrop LLP  
Intellectual Property Group  
1100 New York Avenue, NW  
Ninth Floor  
Washington, DC 20005-3918

|            |            |              |
|------------|------------|--------------|
| Atty. Dkt. | PMS 270183 | NOR-13175-BA |
|            | M#         | Client Ref.  |

**ASSIGNMENT**  
**of U.S. Origin Patent Application**

WHEREAS, the undersigned, to wit:

- |                        |                          |
|------------------------|--------------------------|
| 1) Richard P. MODELSKI | 2) Adrian M. KRISTIANSEN |
| 3) Michael J. CRAREN   | 4) _____                 |
| 5) _____               | 6) _____                 |
| 7) _____               | 8) _____                 |

(hereinafter collectively ASSIGNOR), has/have made an invention known as Dkt. NOR-13175 BA  
and entitled: METHOD AND APPARATUS FOR PERFORMING FILTER OPERATIONS ON DATA  
PACKETS USING AN INSTRUCTION

for which an application for Letters Patent of the United States

- ☐ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;  
☒ was filed on December 22, 2000, Appln. No. 09/741,856 ;

AND WHEREAS NORTEL NETWORKS, LTD.

(hereinafter ASSIGNEE), duly organized and existing under the laws of the State of CANADA

World Trade Center of Montreal, 380 St. Antoine  
Street West, 8th Floor, Montreal, Quebec H2Y 3Y4,

and having its principal office and place of business at Canada

desires to acquire an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

NOTE: The undersigned hereby authorizes Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

Signature

Date Signed

Witness

1) Richard P. Modelski  
Name: Richard P. MODELSKI

3/23/2001

2) Adrian M. Kristiansen  
Name: Adrian M. KRISTIANSEN

3/23/2001

3) Michael J. Craren  
Name: Michael J. CRAREN

3/26/2001

4) \_\_\_\_\_  
Name: \_\_\_\_\_

5) \_\_\_\_\_  
Name: \_\_\_\_\_

6) \_\_\_\_\_  
Name: \_\_\_\_\_

7) \_\_\_\_\_  
Name: \_\_\_\_\_

8) \_\_\_\_\_  
Name: \_\_\_\_\_